

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011958

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/576

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 204 096 A (NEURATH A.R. ET AL.) 20 April 1993 (1993-04-20)	13-19
Y	column 8, line 18 - column 9, line 41 column 13, line 57 - column 14, line 24 column 27, line 45 - column 28, line 53 examples 14,15	1-12, 20-22
X	ALBERTI A. ET AL.: "Fine specificity of human antibody response to the PreS1 domain of hepatitis B virus." HEPATOLOGY, vol. 12, no. 2, August 1990 (1990-08), pages 199-203, XP009052827	13-19
Y	the whole document	1-12, 20-22
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

25 August 2005

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06/09/2005

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PCT/EP2004/011958

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 94/04922 A (ABBOTT LABORATORIES) 3 March 1994 (1994-03-03) the whole document	1-12, 20-22
A	PETIT M.-A. ET AL.: "PreS1 antigen/antibody patterns following interferon therapy in acute and chronic hepatitis B." J. HEPATOL., vol. 20, no. 1, January 1994 (1994-01), pages 47-56, XP009052825 cited in the application the whole document	1-22
A	EP 0 491 077 A (THOMA H.A.) 24 June 1992 (1992-06-24) the whole document	1-22
A	EP 0 250 253 A (MILLICH D.R. ET AL.) 23 December 1987 (1987-12-23) the whole document	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011958

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5204096	A	20-04-1993	US 4847080 A	11-07-1989
			US 5565548 A	15-10-1996
			AT 123035 T	15-06-1995
			AT 175121 T	15-01-1999
			AU 622115 B2	02-04-1992
			AU 2010088 A	17-11-1988
			AU 2010288 A	17-11-1988
			AU 591054 B2	30-11-1989
			AU 3959785 A	12-09-1985
			CA 1250100 A1	14-02-1989
			CA 1340755 C	21-09-1999
			DE 3588022 D1	29-06-1995
			DE 3588022 T2	05-10-1995
			DE 3588203 D1	11-02-1999
			DE 3588203 T2	17-06-1999
			DK 103085 A	08-09-1985
			EP 0154902 A2	18-09-1985
			EP 0448126 A1	25-09-1991
			IE 75712 B1	24-09-1997
			JP 2960064 B2	06-10-1999
			JP 61147165 A	04-07-1986
			KR 9008007 B1	29-10-1990
			US 5620844 A	15-04-1997
			US 5158769 A	27-10-1992
			ZA 8501266 A	30-10-1985
			US 4861588 A	29-08-1989
WO 9404922	A	03-03-1994	AU 4996493 A	15-03-1994
			CA 2142872 A1	03-03-1994
			EP 0656116 A1	07-06-1995
			JP 8500673 T	23-01-1996
			WO 9404922 A1	03-03-1994
EP 0491077	A	24-06-1992	EP 0491077 A1	24-06-1992
			AT 170220 T	15-09-1998
			AU 657935 B2	30-03-1995
			AU 9081791 A	22-07-1992
			CA 2098021 A1	20-06-1992
			CZ 9301186 A3	16-02-1994
			DE 69130071 D1	01-10-1998
			DE 69130071 T2	07-01-1999
			DK 563093 T3	08-02-1999
			WO 9211368 A1	09-07-1992
			EP 0563093 A1	06-10-1993
			ES 2121000 T3	16-11-1998
			HK 1002901 A1	17-03-2000
			HU 66437 A2	28-11-1994
			JP 6507303 T	25-08-1994
			JP 2001019643 A	23-01-2001
			KR 156587 B1	15-10-1998
			SK 63693 A3	06-10-1993
			US 6020167 A	01-02-2000
			US 2003235591 A1	25-12-2003
EP 0250253	A	23-12-1987	AU 617292 B2	28-11-1991
			AU 7640587 A	12-01-1988
			CN 87105411 A	24-08-1988
			DK 88988 A	20-04-1988

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011958

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0250253	A	EP 0250253 A2	23-12-1987
		FI 880802 A	19-02-1988
		JP 1500515 T	23-02-1989
		NO 880744 A	19-04-1988
		NZ 220803 A	27-03-1990
		NZ 232438 A	26-07-1991
		PT 85137 A ,B	01-07-1987
		WO 8707896 A1	30-12-1987
		ZA 8704498 A	24-02-1988
